

WHAT ARE CAREER CLUSTERS?

Career Clusters are groupings of occupations, entry level through management. They share common business functions and activities, and require similar core knowledge and skills. The cluster model identifies knowledge and skills that are needed in the workplace. By providing the links between school and the workplace, students understand the relevancy of what they are learning. They can match their interests, skills, and education requirements with possible careers.

PREPARE ↗ CONNECT ↗ DELIVER

Preparing All Students for College & Careers



Technological advances and global competition have transformed the nature of work. Tomorrow's jobs will require more knowledge, better skills, and more flexible workers. Workers must be prepared to change jobs and careers several times, continually updating their knowledge and skills.

Connecting Employers with Education

Partnerships involving employers, industry groups, state agencies and educators are creating curriculum guidelines, academic and technical standards, assessments, and professional development materials for 16 career clusters. The partnership approach gives business and industry a seat at the table, helping to ensure that students acquire the knowledge and skills necessary for multiple options within each career cluster.



Delivering Multiple Benefits



Parents, students, educators, counselors, employers and industry groups can all benefit from the framework of Career Clusters. Rigorous curriculum, the use of assessments, and the partnerships formed prepare students to meet the demands of postsecondary education and the expectations of employers.

IDAHO'S CLUSTER STRUCTURE

Idaho has taken the 16 National Career Clusters and organized them under six Super Clusters. Idaho's six Super Clusters are: Agriculture and Natural Resources, Arts and Communication, Business and Management, Engineering and Industrial Systems, Health Care, and Human Resources. Each Super Cluster serves as an organizational structure for up to five of the 16 National Clusters:

SUPER CLUSTER: Agriculture and Natural Resources

CLUSTER: Agriculture, Food & Natural Resources

SUPER CLUSTER: Arts and Communications

CLUSTER: Arts, A/V Technology & Communications

SUPER CLUSTER: Business and Management

CLUSTER: Business, Management & Administration

CLUSTER: Finance

CLUSTER: Hospitality & Tourism

CLUSTER: Marketing, Sales & Service

SUPER CLUSTER: Engineering and Industrial Systems

CLUSTER: Architecture & Construction

CLUSTER: Information Technology

CLUSTER: Manufacturing

CLUSTER: Science, Technology, Engineering & Mathematics

CLUSTER: Transportation, Distribution & Logistics

SUPER CLUSTER: Health Sciences

CLUSTER: Health Services

SUPER CLUSTER: Human Resources

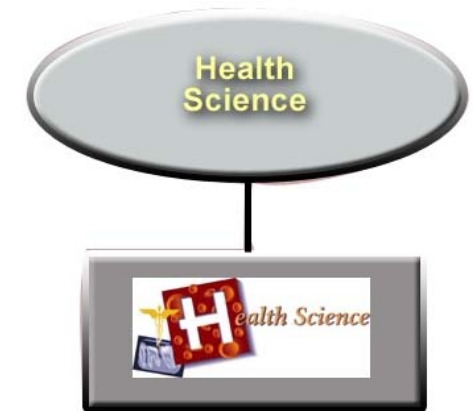
CLUSTER: Education & Training

CLUSTER: Government & Public Administration

CLUSTER: Human Services

CLUSTER: Law, Public Safety, Corrections & Security

HEALTH SCIENCES



The Health Science Super Cluster is comprised of one Cluster: Health Science. This Cluster includes career specialties in:

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Each cluster has broadly defined foundation knowledge and skills statements that represent the competencies required of an individual to successfully fulfill career requirements associated with the Cluster area. The knowledge and skill statements have associated performance elements and measurement criteria that can be used to assess the strengths of the student in each of the following areas:

Foundation Knowledge and Skills Topic Areas

Academic Foundations • Communications
Problem Solving and Critical Thinking • Information Technology
Systems • Safety, Health and Environment
Leadership and Teamwork • Ethics and Legal Responsibilities
Employability and Career Development • Technical Skills

For more information about the core knowledge and skills needed for different health care career specialties, visit the Career Cluster website at:

<http://www.careerclusters.org/ClusterDocuments/hldocuments/HLFinal.pdf>

The Health Science Cluster includes five pathways that more narrowly help to define the distinct career specialties in this cluster area.



Pathways Defined

➤ Therapeutic Services

Sample Career Specialties:

Acupuncturist • Dietician • Massage Therapist • Optometrist • Respiratory Therapist • Surgical Technician

➤ Diagnostic Services

Sample Career Specialties:

Bioinformatics Specialist • Plant Breeder and Geneticist • Crop Farm Manager • Commodity Marketing Specialist • Farmer • Golf Course Superintendent

➤ Health Informatics

Sample Career Specialties:

Health Educator • Patient Financial Specialist • Risk Manager • Utilization Manager • Healthcare Administrator

➤ Support Services

Sample Career Specialties:

Biomedical Engineer • Food Service Technician • Materials Management • Environmental Health and Safety Specialist • Hospital Maintenance Engineer

➤ Biotechnology Research and Development

Sample Career Specialties:

Geneticist • Toxicologist • Biochemist • Biomedical Chemist • Regulatory Affairs Specialist

Where Do I Find Out More?

See your School Counselor!

Idaho Division of Professional-Technical Education Career Cluster Home Page

http://www.pte.idaho.gov/Cluster_test/idaho_clusters_home.htm

National Career Cluster Website

<http://www.careerclusters.org/>

Health Science Cluster Home Page

<http://www.careerclusters.org/clusters/h.htm>

Health Science Cluster/Pathway Model

<http://www.careerclusters.org/ClusterDocuments/hldocuments/1HModel.doc>

Idaho Career Information Systems

<http://cis.idaho.gov/>

OR e-mail us directly at the
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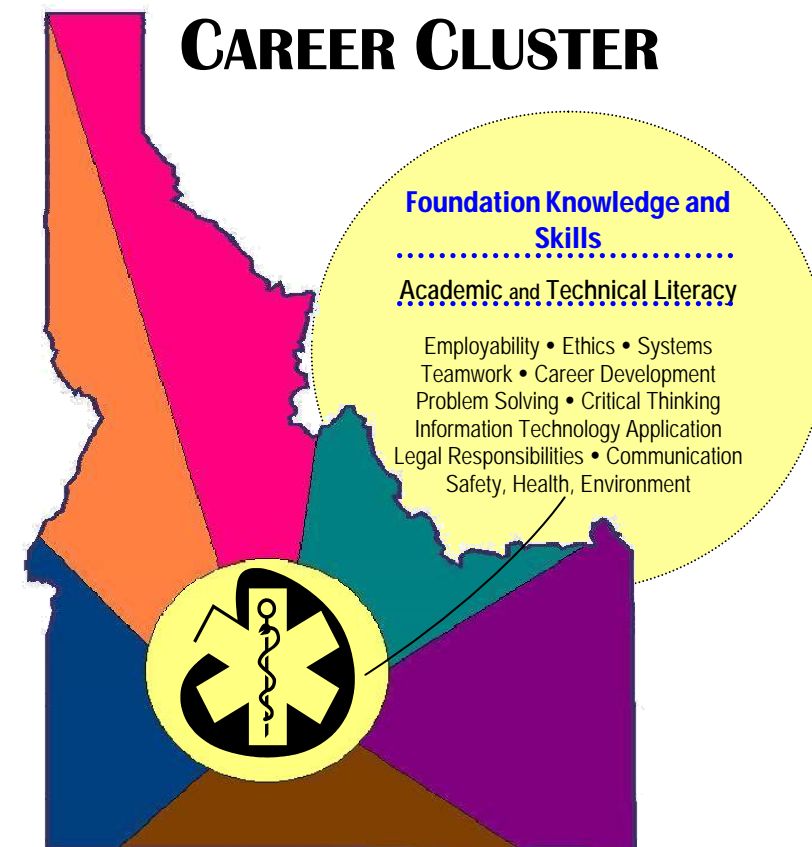
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HEALTH SCIENCES CAREER CLUSTER



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***Focusing Education on
the Future!***

A Publication of the
**Idaho Division of
Professional-Technical Education**

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